Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRM No = 151/13-14

No. ***First & Final*** (For Other Works) Date...../...../2013

30/10/13

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code:**006-13-000080**

Schedule Docket No. Head of Account: Est.Cost: **19.98 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Drilling of Borewell and Providing Pump and Motor at Dasarahalli, Dasarahalli Bande, mariyannapalya SC Colony in Ward No. 06 Byatarayanapura Sub Division.**

Name of Contractor and Full Address : *Sri T Gopinathreddy, Contractor, #18, 6rd Cross, SSA Main Road, Hebbal, Bangalore-32*

Reference to Agreement No. **EE/BTP/BBMP/E-TND/38/2013-14** Date: **21.06.2013**

Certified that the measurements were taken by me on 22/10/13 and recorded of Pages **126138-126156** of measurement Book No.**1262** and that the work is satisfactorily executed.

T Gopinathreddy

Contractor

30/10/13

Officer-in-charge of work

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	1st & Final Bill — 20,34,311=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	Amt paid — 1000000=00
		Balance Amt. — 10,34,311=00
b)	Payments Now made } cost store or other material supplied.	IT — 10743=00
	recovery of amount creditable to this/other work	KSI — 42972=00
	Amount paid on this bill Cheque / Cash.	FSD — 53716=00
		LWF — 5372=00
		CBF — 537=00
		Fine — 1000=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Total ded^M — 114340=00
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	By cheque — 959971=00

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

1074,311=00

114340=00

959971=00

Witness
1.
2.

Stamp

T Gopinathreddy

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Executive Engineer

Sl. No.	Descriptions	U
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.42, I. 9.4) PRED.SR 2011-12) Dasarahalli**	Each BW
2	Dasarahalli Bande	Each BW
3	mariyannapalya	Each BW
4	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 36 / I. 9.1 PRED SR 2010-11 0 to 50M**	Rmtr
5	50 to 100 m	
6	100 to 150 m	
7	150 to 200 m	
8	200 to 250 m	
9	250 to 330 m	
10	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **SE PRED Approved Rate**	Rmtr
11	Providing 250mm dia PVC Pipe 6kg/cm **SE PRED Approved Rate**	Rmtr
12	Providing 175mm dia M.S Collar **SE PRED Approved Rate**	Each
13	Providing and fixing 160mm Borewell Cap with Clamp Set H/D	Each
14	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 20 stage. **SE RDED Approved Rate 15 HP 30 Stage**	No
15	17.50 HP 30 Stage	
16	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. for Newly and Additional Existing Borewells	Rmtr
17	Heavy Duty Collars	
18	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) **2.5 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11**	Mtr
19	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) **(As per rate approved KUWS & DB for year 2008-09**	No

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	1	1994.81	1994.81	1.00	1994.81	
		1	1994.81	1994.81	1.00	1994.81	
		1	1994.81	1994.81	1.00	1994.81	
-	-	150	301.32	45198.00	150.00	45198.00	
-	-	150.00	397.91	59686.50	150.00	59686.50	
-	-	150.00	443.05	66457.50	150.00	66457.50	
-	-	150.00	487.15	73072.50	150.00	73072.50	
-	-	150.00	538.59	80788.50	150.00	80788.50	
-	-	240.00	577.44	138585.60	240.00	138585.60	
-	-	210.00	1370.11	287723.10	210.00	287723.10	
-	-	54.00	792.11	42773.94	54.00	42773.94	
-	-	9.00	157.48	1417.32	9.00	1417.32	
-	-	3.00	729.68	2189.04	3.00	2189.04	
-	-	1.00	54594.80	54594.80	1.00	54594.80	
-	-	2	65671.24	131342.48	2.00	131342.48	
-	-	900.00	435.70	392130.00	900.00	392130.00	
-	-	150.00	136.48	20472.00	150.00	20472.00	
-	-	2010.00	194.23	390402.30	2010.00	390402.30	
-	-	3.00	3149.70	9449.10	3.00	9449.10	

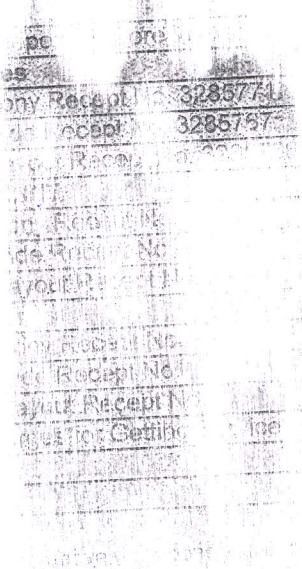
20	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 32/ I No. 2/f KPWD Electrical SR 2010-11**	Ea
21	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	Mtr
22	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	Mtr
23	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11**	Mtr
24	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11**	Mtr
25	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11**	No.
26	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**	No
27	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3d KPWD Electrical SR 2010-11**	No.
28	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make includihg cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 **Page No. 82Item No. 13.55 / PWD SR 2010-11**	Nos
29	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.	No
30	Supplying TPST with rewirable portelain channels in SM enclosure **PRED SR 2010-11 P.32 item No. 1b Group**	No
31	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete	No
32	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No
33	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No
34	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 **P.No. 41, I. No. 38B KPWD Electrical SR 2010-11**	Sq.Cm
35	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- **control panel board** unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter**	No.
36	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **(P.81/I.13.37 PWD SR - 2010-11)**	Each
37	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5,	Cum

-	-	3.00	299.22	**897.66**	3.00	**897.66**	
-	-	150.00	157.48	**23622.00**	150.00	**23622.00**	
-	-	150	8.39	**1258.50**	150.00	**1258.50**	
-	-	120	62.99	**7558.80**	120.00	**7558.80**	
-	-	12	251.97	**3023.64**	12.00	**3023.64**	
-	-	3	272.97	**818.91**	3.00	**818.91**	
-	-	3	2047.30	**6141.90**	3.00	**6141.90**	
-	-	18	435.70	**7842.60**	18.00	**7842.60**	
-	-	3	1169.65	**3508.95**	3.00	**3508.95**	
-	-	3	211.44	**634.32**	3.00	**634.32**	
-	-	3	3202.19	**9606.57**	3.00	**9606.57**	
-	-	18	83.99	**1511.82**	18.00	**1511.82**	
-	-	3	367.46	**1102.38**	3.00	**1102.38**	
-	-	3	1049.00	**3147.00**	3.00	**3147.00**	
-	-	90450.00	0.34	**30753.00**	90450.00	**30753.00**	
-	-	3	10499.00	**31497.00**	3.00	**31497.00**	
-	-	3	1661.55	**4984.65**	3.00	**4984.65**	
-	-	175.50	223.69	**39257.60**	175.50	**39257.60**	

38	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc.**75MM 10 KSC Pvc Pipe**	Rmtr
39	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum
	Gross Total	
30	Add BESCOM Deposit to Bore Wells	
	Application Fees	
	Dasarahalli Colony Recept No. 3285771	
	Dasarahalli Bande Recept No. 3285767	
	Chowadappa Layout Recept No. 3285766	
	BESCOM DEPOSIT	
	Dasarahalli Colony Recept No. 322305	
	Dasarahalli Bande Recept No. 32306	
	Chowadappa Layout Recept No. 32308	
	Electrical Meter	
	Dasarahalli Colony Recept No.	
	Dasarahalli Bande Recept No.	
	Chowadappa Layout Recept No.	
	Contractor Charges for Getting Service	
	Total BESCOM Deposit	
	Net Total Amount	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.



-	-	325.00	176.38	57323.50	325.00	57323.50	
-	-	175.50	68.24	11976.12	175.50	11976.12	
				2050135.00		2050135.00	
				2029661=00		2029661=00	
		1	100.00	100.00		100.00	
		1	100.00	100.00		100.00	
		1	100.00	100.00		100.00	
		1	6000.00	6000.00		6000.00	
		1	6000.00	6000.00		6000.00	
		1	6000.00	6000.00		6000.00	
		1	2450.00	2450.00		2450.00	
		1	2450.00	2450.00		2450.00	
		1	2450.00	2450.00		2450.00	
				19000.00		19000.00	
				44650.00		44650.00	
				2094785.00		2094785.00	

AE-06

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24